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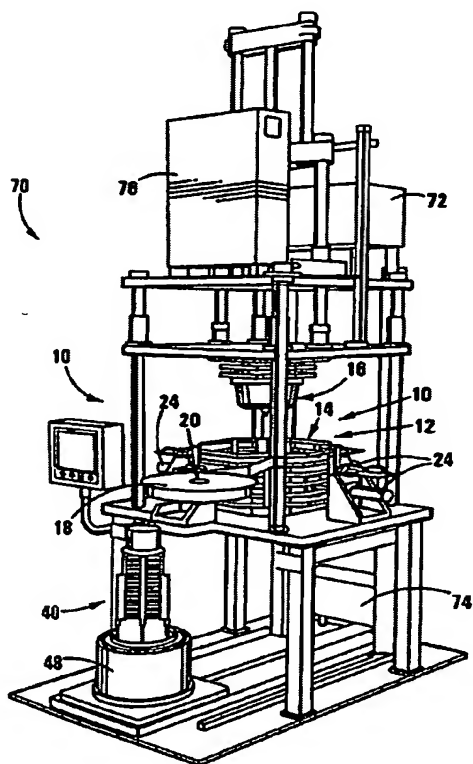
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(54) Title: CASTING OF METAL ARTEFACTS



(57) Abstract: The invention provides a process, casting  
assembly (10) and casting apparatus for charging a mould  
(12) with molten metal and solidifying it in the mould to  
form an artefact, the process including, prior to charging the  
mould, heating the mould by induction heating to an elevated  
temperature at which the charging takes place. The assembly  
(10) includes a mould (12) for casting the artefact and an  
induction heating arrangement (14), which includes at least  
one induction coil surrounding the mould, for heating it to  
an elevated temperature prior to the casting. The apparatus  
(20) includes the assembly (10) and a melting apparatus (40)  
for forming a molten charge of metal, the apparatus (40)  
including a heating arrangement (44) for heating a precursor  
of the molten charge to melt it.